

Fig. 1 (PRIOR ART).

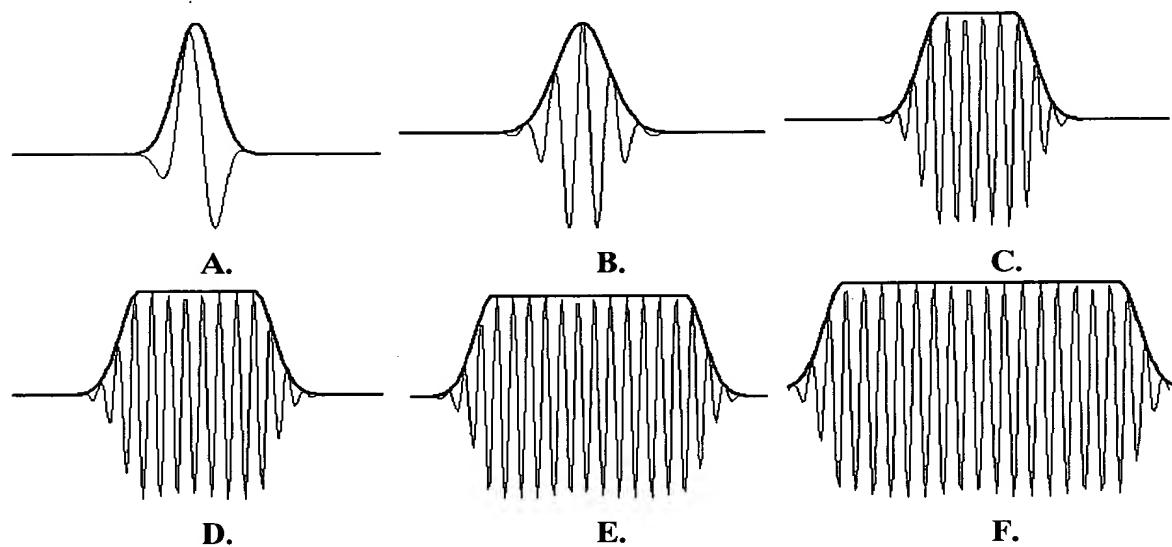


Fig. 2 (PRIOR ART).



Bandwidth Efficiency

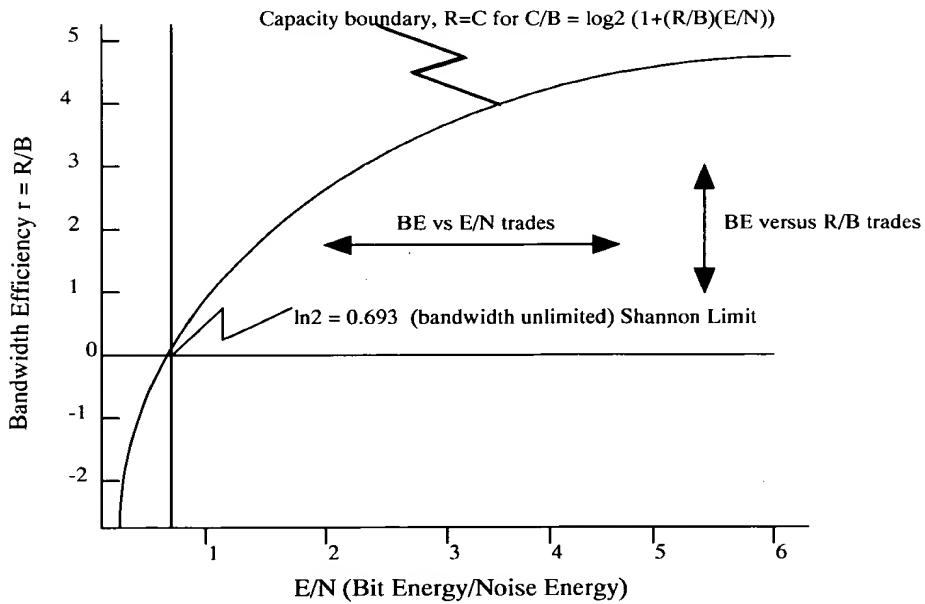


Fig. 3 (PRIOR ART).

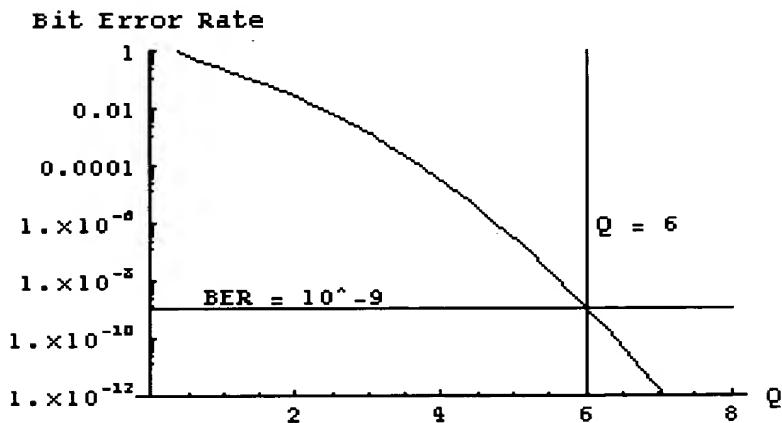
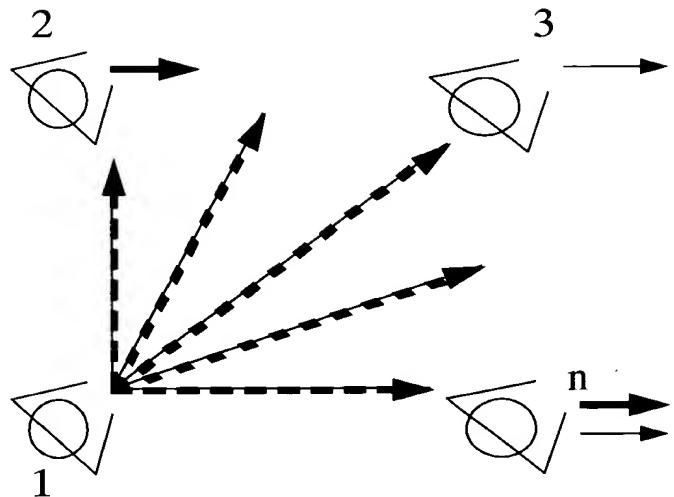
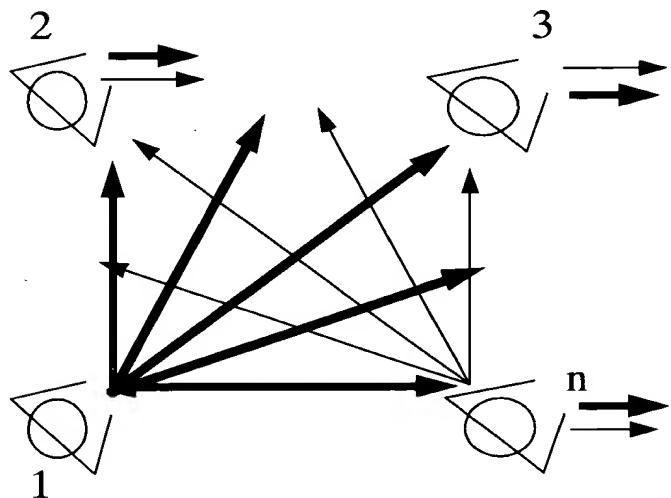


Fig. 4 (PRIOR ART).



A. TDMA



B. CDMA

Fig. 5.

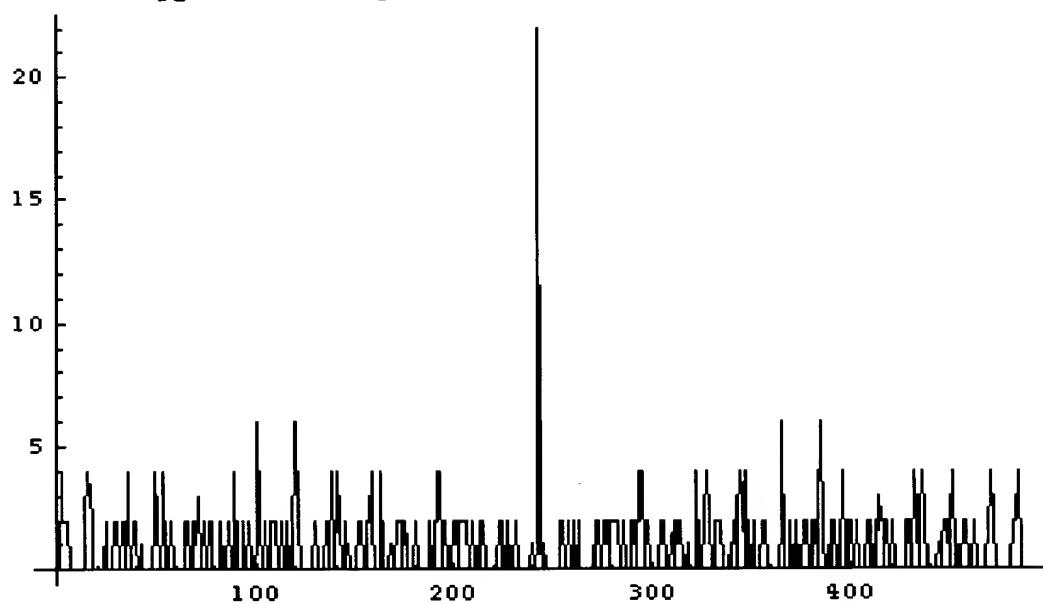


Replacement Sheet

09/672,707

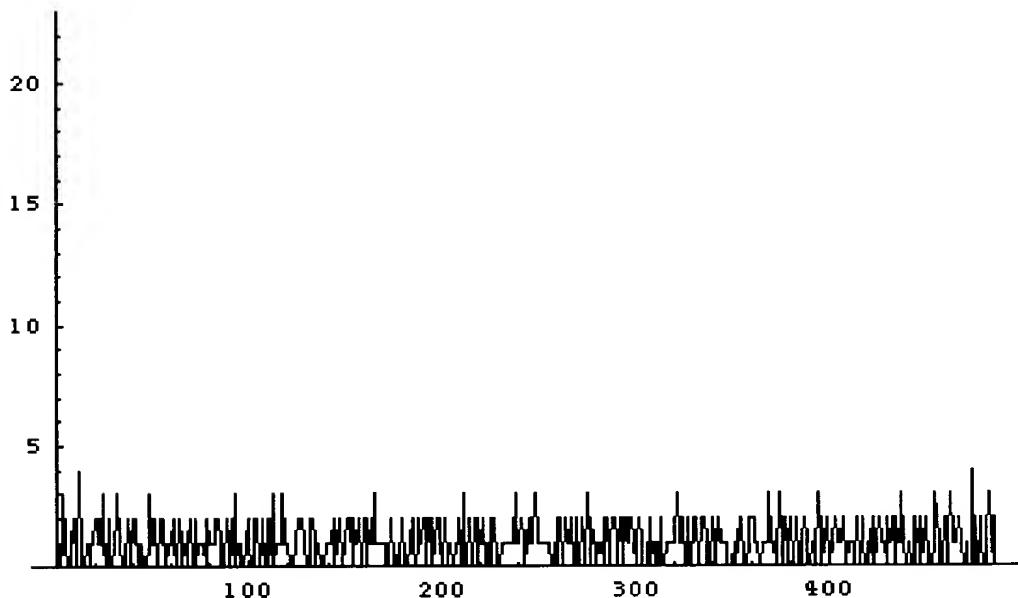
Sheet 4 of 8

Hyperbolic Congr. Code: $p = 23$, $n = 1$, Autocorr.



6A.

Hyperbolic Congr. Code: $p = 23$, $n = 1 \& 2$, Crosscorr.



6B.

Fig. 6.

Replacement Sheet

09/672,707

Sheet 5 of 8

MAXIMUM AGGREGATE DATA RATES, ASYNCHRONOUS CDMA, @1 GHz, P=1021,
BER=10⁻⁹, SNR=21.6 dB

FEB 10 2005

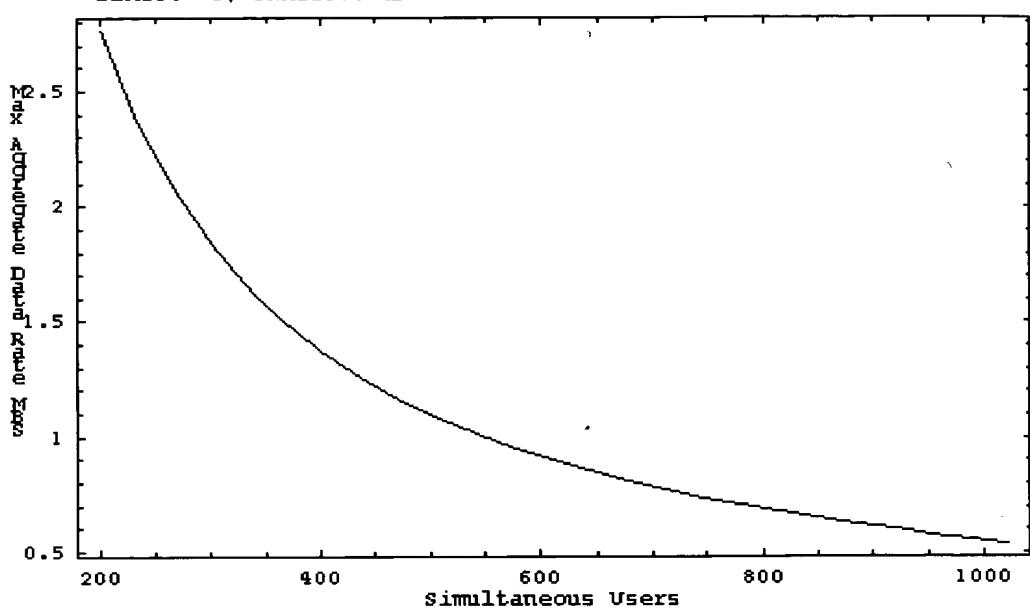


Fig. 7.

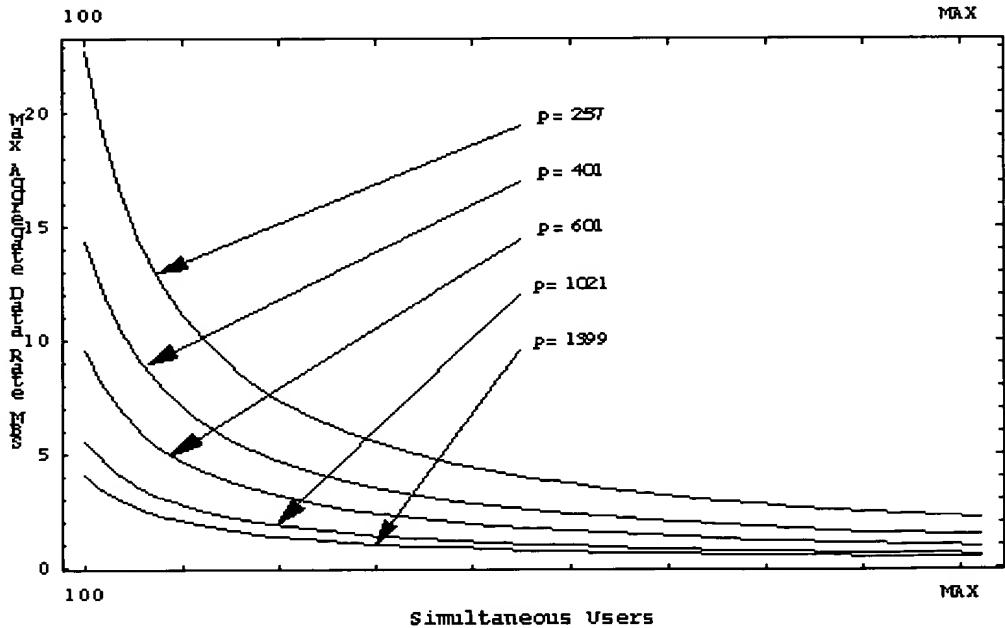
MAXIMUM AGGREGATE DATA RATES, ASYNCHRONOUS CDMA, @1 GHz, P=257,401,601,
1021,1399, BER=10⁻⁹, SNR=21.6 dB

Fig. 8.

MAXIMUM SINGLE CHANNEL DATA RATES, Asynchronous CDMA, @1 GHz, P=1021,
BER= 10^{-9} , SNR=21.6 dB

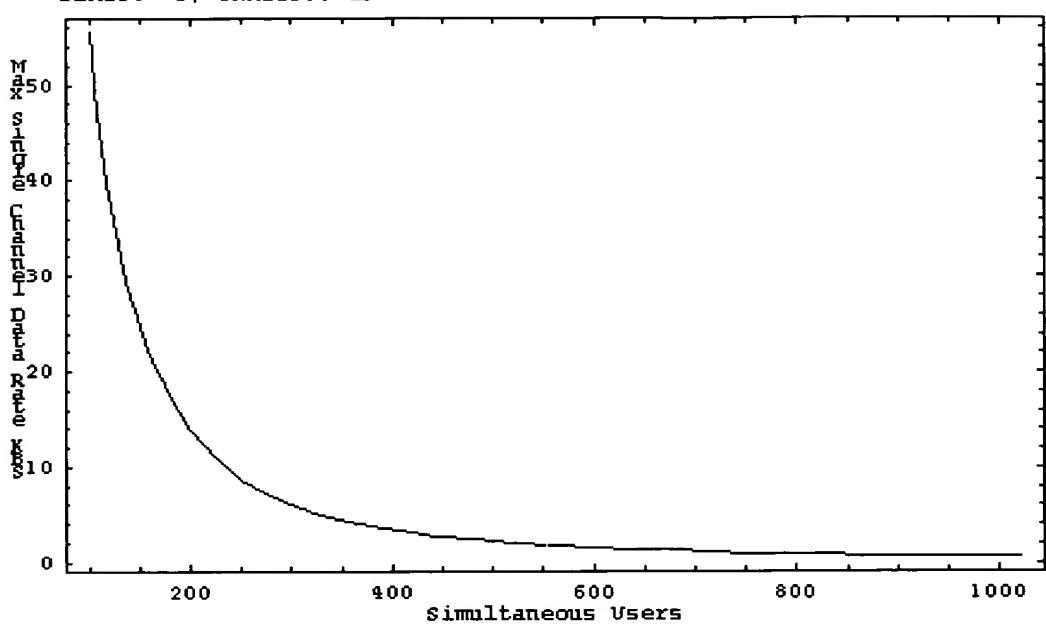


Fig. 9.

MAXIMUM SINGLE CHANNEL DATA RATES, Asynchronous CDMA, @1 GHz, P=1021,
BER= 10^{-9} , SNR=21.6 dB

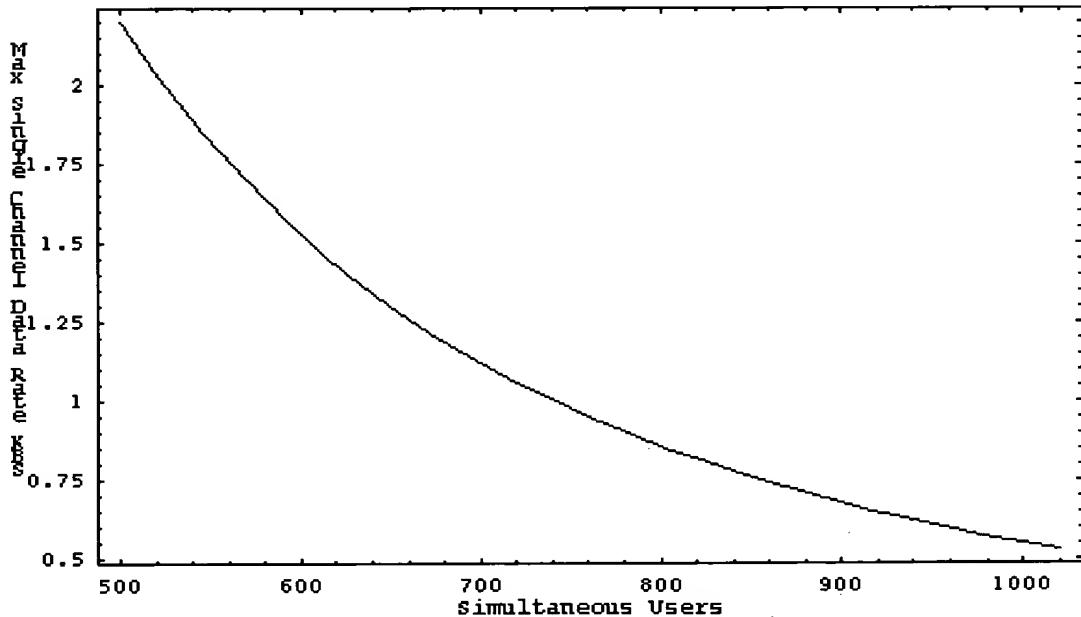


Fig. 10.

MAXIMUM SINGLE CHANNEL DATA RATES, ASYNCHRONOUS CDMA, G1 GHz, P=257,
401,601,1021,1399, BER=10⁻⁹, SNR=21.6 dB

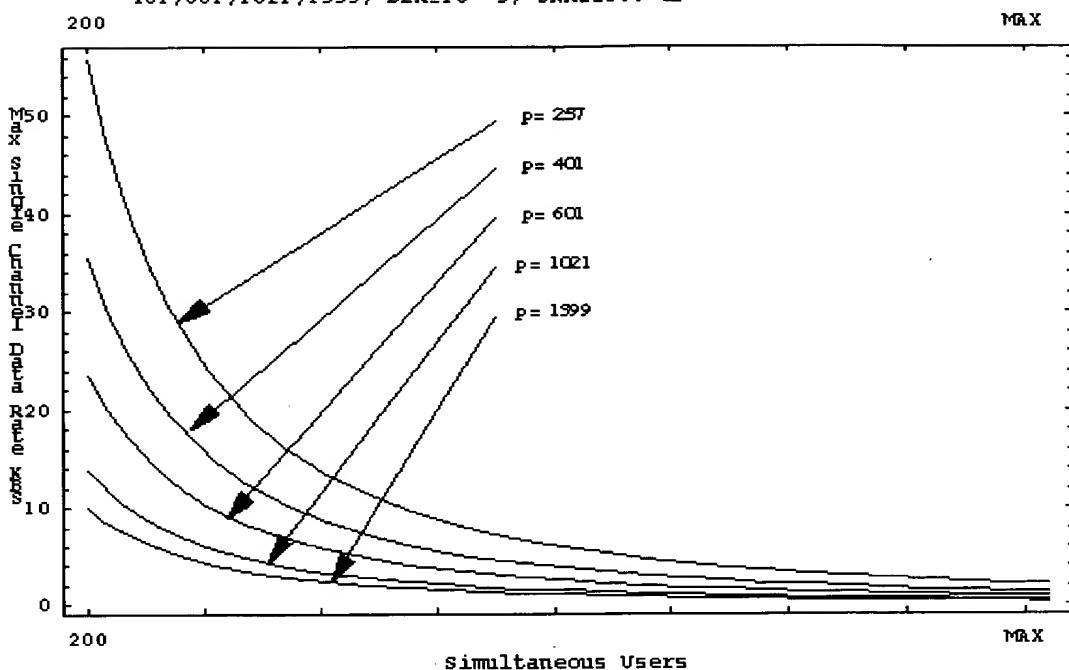
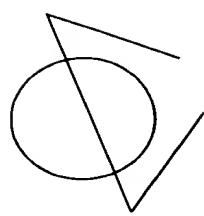


Fig. 11.





=====

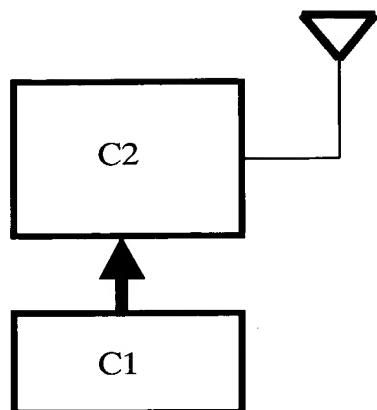


Fig. 12.